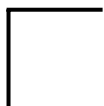




# **ULTRALIGHT 2**

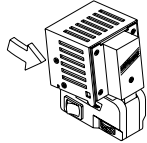
**( UL-2 )**

**OWNER'S MANUAL**

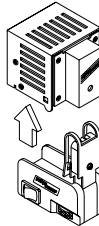


## **TO REMOVE HEAD MODULE**

1. Push Head Module forward.

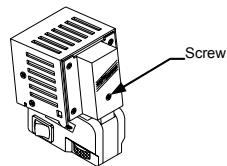
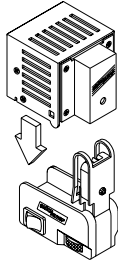


2. Lift Head Module and remove it from the Base.



## **TO RE-ATTACH HEAD MODULE**

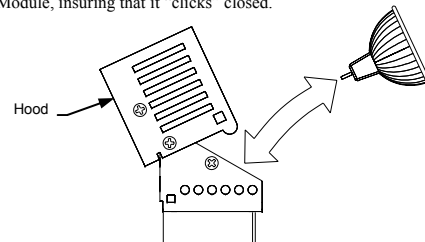
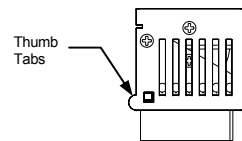
Push Head Module onto base, as shown, until the Head Module engages over screw.

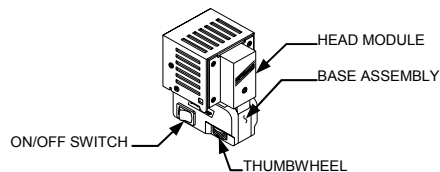


## **TO REMOVE / REPLACE BULB**

**NOTE: Only MR-16 type bulbs should be used with the UL2.**

1. Pull out on the Thumb Tabs of the Head Module.
2. Swing Hood open.
3. Remove and replace bulb as necessary.
4. Close Head Module, insuring that it "clicks" closed.





## **INTRODUCTION**

The Ultralight 2 (UL2) is an extremely compact, super lightweight version of the original Ultralight system, designed specifically for on-camera lighting applications.

The Ultralight 2 incorporates many unique features including:

- Included with a AB-60, wide angle bulb.
- A diffused glass for smoother beam patterns.
- Quick-change head module feature permits instant field light source changes without direct bulb handling, adjusting to full or spot lighting situations.
- The head module tilts for indirect lighting applications and can be easily fitted with a swing away wide angle adapter (UL-WA), diffuser (UL-DF), or dichroic filter (UL-DC).
- Compact size with the quick-change head module removed the Ultralight 2 is a mere 2¼" x 1½" x 1" and can be left on the camera at all times without interfering with operation, fitting easily into a camera case with little or no modification to the case.
- A patented universal mounting system for ¼-20 stud or shoe type mounting is standard - eliminating the need for special studs or adapters.
- An Integral PowerTap connector cable comes in lengths to dress neatly on any camera/camcorder - no secondary cables are required to mate to any Gold Mount camera bracket.

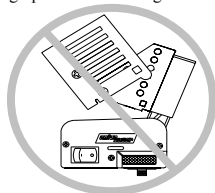
## **OPERATING**

When powering the Ultralight 2 through the on-board camera battery pack (integral PowerTap connector cable), the UL2 should be turned off and the battery pack charged as soon as the camera battery warning light comes on in the viewfinder. If the light is left on after this point, the UL2 will continue to drain the battery which can cause permanent damage to the cell pack. Greater caution is required if an external, un-metered battery is used. In this case, suggested bulb run times should be followed closely and the battery should be changed before the light begins to grow noticeably dimmer. During battery operation the light should never be left on when unattended.

To achieve the full versatility and benefits of the Ultralight 2 system several spare Head Modules should be employed with each light to carry spare bulbs or a variety of bulb voltages, wattages and beam angles. The Head Module is designed to be a compact and rugged storage container allowing extra bulbs to be easily and safely carried in the field. Bulbs can then be quickly switched for different lighting conditions or changes in power source. Carrying spare bulbs in fragile cardboard packages defeats one of the main features of the Ultralight 2.

## **IMPORTANT**

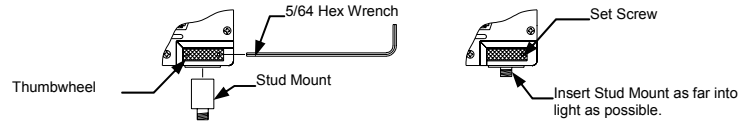
**HEAD MODULE MUST BE REMOVED FROM THE BASE PRIOR TO CHANGING A BULB. NEVER ATTEMPT TO REMOVE A BULB WHILE THE HEAD MODULE IS ATTACHED TO THE BASE.**



## **1/4-20 STUD MOUNT APPLICATION**

The Ultralight 2 is shipped standard with 1/4-20 Stud Mount for attaching to the camera handle. To remove/install a 1/4-20 Stud Mount, follow these instructions.

1. With the supplied 5/64 hex wrench, loosen the set screw located in the thumbwheel.
2. Install a 1/4-20 Stud Mount into the bottom of the thumbwheel. (Insert stud as far into light as possible).
3. Tighten the set screw in the thumbwheel.



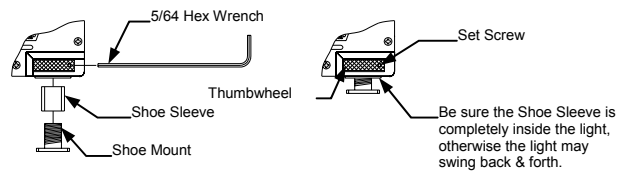
**NOTE:** In order for the 1/4-20 Stud Mount to completely tighten down on the camera, the Stud Mount must be fully inserted into the thumbwheel. Otherwise, the UL2 may swing back and forth.

## **SHOE MOUNT APPLICATION**

Certain lighting applications need a "Shoe Mount" to secure the light to the camera. Most JVC and PANASONIC cameras will use this Shoe Mount.

For installation of Shoe Mount:

1. Remove existing Stud Mount from the Ultralight 2 base. (See previous page.)
2. Insert Shoe Sleeve into thumbwheel, pushing it as far into the thumbwheel as possible.
3. Using 5/64 Hex Wrench, tighten down the Shoe Sleeve.
4. Screw Shoe Mount into Shoe Sleeve about half way.
5. Slide the Shoe Mount onto the camera handle and then tighten down via the thumbwheel.



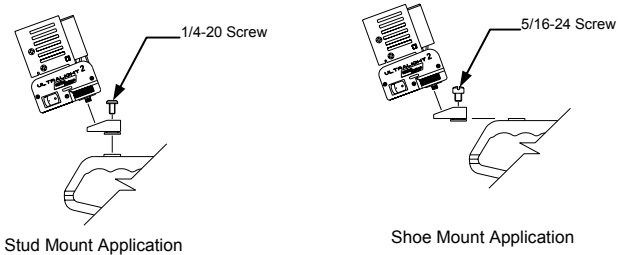
**NOTE:** In order for the Shoe Mount to completely tighten down on the camera, the Shoe Sleeve must be inserted as far into the thumbwheel as possible. Otherwise, the light may swing back and forth.

## **ACCESSORIES**

### **UL2 WEDGE**

The UL2 Wedge is developed specifically for use with the Anton/Bauer Ultralight 2 on-camera light. The UL2 Wedge provides the Ultralight 2 with an additional 20° of down angle lighting for shooting extreme close up camera shots (less than 3 feet).

A Universal mounting design allows quick adaptation to cameras using either 1/4-20 Stud Mount or Shoe typing lighting mounts.



### **UL2 WEDGE STUD MOUNT APPLICATION**

1. Position the base of the UL2 wedge directly over the camera's 1/4-20 Stud Mount.
2. Fasten the UL2 wedge to the camera mount using the supplied 1/4-20 Phillips screw. (Do Not Overtighten)
3. Attach the Ultralight 2 to the UL2 wedge by threading the UL2's 1/4-20 stud directly into the mating hole on the ramp of the UL2 wedge.

### **UL2 WEDGE SHOE MOUNT APPLICATION**

1. Slide the base of the UL2 wedge into the camera Shoe Mount. (Insert at the front of camera - towards the lens.)
2. Fasten the UL2 wedge to the camera shoe using the supplied 5/16-24 slotted screw. (Do Not Overtighten as this will cause damage to the camera mount)
3. Attach the Ultralight 2 to the UL2 wedge by threading the UL2's 1/4-20 stud directly into the mating hole on the ramp of the UL2 wedge.

### **XL-WEDGE**

Same as the UL2-Wedge except that it is 3 inches longer. Should be used to clear Shotgun Mics and Wide Angle Lens. Will also allow the UL2 to clear the shoulder strap without interference.

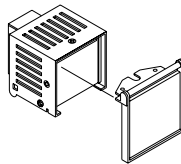
## **FILTERS**

Adapter accessories are detachable pivoting filter/lenses allowing the user to flip the adapter in and out of the beam pattern. Adapters (Diffuser, Wide Angle, Dichroic) are mounted in a holder, pivoted from a slotted tab. The adapter assembly is attached to the Head Module by sliding the slotted tab into the space between the light head safety glass holder and the hood.

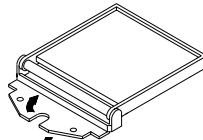
**UL-WA. Ultralight Wide Angle Adapter.** Converts both spot bulbs and medium flood bulbs into full flood (36°) patterns. A very efficient optical device that provides an exceptionally smooth and even pattern and will cover the widest angle zoom lenses. The UL-WA filter can also be used with flood bulbs to smooth out uneven bulb patterns.

**UL-DF. Ultralight #1 Diffuser.** For use with spot bulbs. Lowers light output by approximately one “f” stop (50%) while softening the edges of the beam pattern and increasing beam diameter approximately 50%.

**UL-DC. Ultralight Dichroic Filter.** Converts output of bulbs to match 5600°K daylight. The UL-DC filter must be used when using the Ultralight for daylight fill or cool white fluorescent fill.



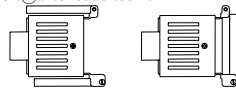
When properly fitted, the slot in the tab will align with a screw in the center of the hood. The tab insertion requires a slight force. **If the filter assembly is too loose and does not stay in place, bend each side of the tab in opposite directions as shown to provide sufficient holding friction.** The friction on the filter pivot may be increased by tightening the pivot screw which extends the length of the filter assembly.



## **MOUNTING A FILTER**

Adapters may be attached to the top of the Head Module or to either side and folded back against the Head Module when not in use. Two adapters may be simultaneously attached to the lighthouse (one on either side). A UL-DC can be used in combination with either a UL-WA or a UL-DF simultaneously.

When trying to accommodate two filters at the same time, it may be necessary to obtain a new hinge for the filter, which will allow two to be used simultaneously. The part number for this hinge is #5140-1051. Please contact the Anton/Bauer Customer Service Department for more details at (800) 541-1667, (203) 929-1100, or [support@antonbauer.com](mailto:support@antonbauer.com).

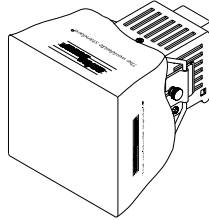


## **PERMANENTLY MOUNTING A FILTER**

First remove the screw and washer (between the hood and glass frame) from any one of the Head Module's three sides. Install the filter as described before. Reinsert the screw and tighten fully. The washer will no longer be necessary.

## **UL-SOFT BOX**

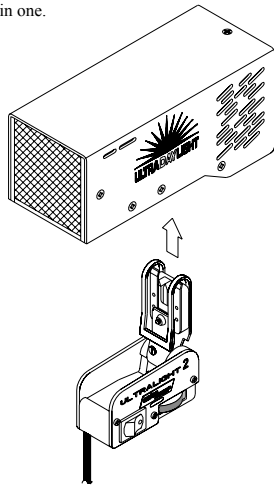
The UL-Soft Box mounts easily to any Ultralight Head Module to soften and diffuse light output. The UL-Soft Box is collapsible allowing easy storage or can fold and swing away while remaining on the Ultralight until needed.



## **ULTRADAYLIGHT**

The UltraDaylight Head Module fits any Ultralight base to instantly deliver 5600°k at less than half the power required of tungsten/halogen – without the need for dichroic adapters. Uniquely designed to share power from camera battery using the PowerTap on every camera Gold Mount.

Instantly change from daylight to tungsten and back by simply swapping head modules – no twisting, turning, or handling bulbs. And since the rugged Ultralight Head Module house and protect the bulbs, they can be stored in the head module until the next use. The UltraDaylight head module is a unit – 25 watt bulb and ballast all in one.





## **BULB SELECTION AND OPERATION**

Bulbs used by the Ultralight 2 are Type MR16, tungsten-halogen bulbs. Spot or flood bulbs of any light distribution angle may be used.

The Ultralight 2 offers the greatest versatility with the following low voltage bulbs. They can be powered from any 12-14.4 volt camera battery with the Ultralight 2 integral PowerTap connector cable.

Triple Purpose Low Voltage Bulb - The ESX, EYR and EYF bulbs provide three beam/output options:

1. Spot (15°) - plain bulb.
2. Medium Spot (approximates 21°) - with Diffuser (UL-DF).
3. Flood (36°) - with Wide Angle adapter (UL-WA) which covers most zoom lenses in the extreme wide position.

Dual Purpose Low Voltage Bulb - The EXZ bulb provides two beam/output and is a good all around bulb:

1. Medium Flood (24°) - plain bulb.
2. Full Flood (36°) - with Wide Angle Adapter (UL-WA).

Single Purpose Low Voltage Flood Only bulbs. The BAB, EYP, and EYC bulbs provide full flood (36°) - plain bulb.

Purpose/Type	Bulb Code	Watts	Spot	Med	Flood	Amps	RunTime w/4 AH Battery
Triple Purpose: Spot/Med Spot Flood	ESX	25	200	85*	30**	1-2/3	120 min
	EYR	50	400	170*	60**	3-3/4	60 min
	EYF	75	700	300*	120**	6-1/4	35 min
Dual Purpose: Med Flood/Flood	EXZ	60	-----	175	70	4-1/2	45 min
Single Purpose: Flood Only	BAB	25	-----	-----	35	1-1/3	120 min
	EYP	50	-----	-----	65	3-3/4	60 min
	EYC/FPB	75/85	-----	-----	125	6-1/4	35 min

**NOTE:** All above data measured at 14 volts. \* with a Diffuser (UL-DF) \*\* with a Wide Angle Adapter (UL-WA)

**SPECIAL NOTE:** Extensive field testing indicates that the ESX bulb, despite its minimal 25 watts, when used with the UL-WA Wide Angle Adapter, or the plain BAB bulb, provides the most pleasing lighting condition for most indoor interviews in the typical 3 ft. to 6 ft. range

## **SPECIFICATION**

LAMPS	Type MR-16 12-14 Volts, 25-85 Watts Higher wattage bulbs are not recommended due to excessive heat generated by these bulbs.
WEIGHT	Base unit with bulb: 12 oz.
SIZE	Light Head Module: 2¼"W x 2¼"H x 2¼" DP Base Unit w/Head Module: 2¼"W x 4¼"H x 3¼"DP

## **SERVICE**

If you have any question about this or any Anton/Bauer product, please contact our Customer Service Department at 1-800-541-1667 (USA Only) or 203- 929-1100.

## **WARRANTY**

IMPORTANT: WARRANTY REGISTRATION CARD MUST BE MAILED WITHIN 10 DAYS OF PURCHASE TO QUALIFY FOR THIS WARRANTY. Proper registration will also enable us to send you important update information.

We must have the warranty registration card on file at our CUSTOMER SERVICE DEPARTMENT to establish warranty. Proper registration will also enable us to provide you with update information on your lighting system.

All new Anton/Bauer products have been thoroughly tested and inspected prior to shipment. This product is warranted against defects in materials and workmanship for a period of one (1) year from date of purchase. If this product fails to perform to its specifications during this period, it will be repaired or replaced at Anton/Bauer's option.

This warranty does not cover damage resulting from accident, misuse or abuse, neglect, or improper service or maintenance. Use of unauthorized service, replacement parts or attachments will void this warranty. Misuse includes any use of this product in other than its intended applications.

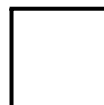
No responsibility is assumed for any special, incidental or consequential damages. No other Warranty, written, oral or implied is assumed or authorized by Anton/Bauer. The liability of Anton/Bauer hereunder is expressly limited to a claim for a repair or replacement for the goods sold or as otherwise stated herein.

This Warranty is to be construed and enforced in accordance with the law of the State of Connecticut, including the provisions of the Uniform Commercial Code as adopted and from time to time amended in the State of Connecticut, and not the Convention for the International Sale of Goods.

This choice of Connecticut law is exclusive of any Connecticut law that would require reliance on any law foreign to Connecticut.

Should any action of law or in equity be brought by any person under this Warranty, such action shall be brought only in the United States District Court for the District of Connecticut, or in any Superior Court in Fairfield County, Connecticut, U.S.A.

If you have any questions regarding applications or specifications, or to obtain warranty service on this or any Anton/Bauer product, contact the Anton/Bauer Customer Service Department. See below for contact information.





*The worldwide standard*

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One or more of the following patents may apply:

4,218,107  
4,810,204  
4,822,296  
4,965,738  
5,057,383

Other patents, U.S. and International pending.

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